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7	BRS	L7	32	6 and ((construct$3 or render$3) with triang$6)	US-PGPUB	2006/12/10 22:38
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9	BRS	L9	692	scan$6 with (point near2 (cloud or data))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	2006/12/10 22:38
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☐   1. **The ball-pivoting algorithm for surface reconstruction**
       Bernardini, F.; Mittleman, J.; Rushmeier, H.; Silva, C.; Taubin, G.;
       Visualization and Computer Graphics, IEEE Transactions on
       Volume 5, Issue 4, Oct.-Dec. 1999 Page(s):349 - 359
       Digital Object Identifier 10.1109/2945.817351

       AbstractPlus | References | Full Text: PDF(936 KB)   IEEE JNL
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☐   2. **Normal improvement for point rendering**
       Jones, T.R.; Durand, F.; Zwicker, M.;
       Computer Graphics and Applications, IEEE
       Volume 24, Issue 4, July-Aug. 2004 Page(s):53 - 56
       Digital Object Identifier 10.1109/MCG.2004.14

       AbstractPlus | References | Full Text: PDF(1776 KB)   IEEE JNL
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☐   3. **Fan-Meshes: a geometric primitive for point-based description of 3D moc**
       Xiaotian Yan; Fang Meng; Hongbin Zha;
       3D Data Processing, Visualization and Transmission, 2004. 3DPVT 2004. Proc
       International Symposium on
       6-9 Sept. 2004 Page(s):518 - 525
       Digital Object Identifier 10.1109/TDPVT.2004.1335281

       AbstractPlus | Full Text: PDF(1468 KB)   IEEE CNF
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☐   4. **Automated texture mapping of 3D city models with oblique aerial imagen**
       Frueh, C.; Sammon, R.; Zakhor, A.;
       3D Data Processing, Visualization and Transmission, 2004. 3DPVT 2004. Proc
       International Symposium on
       6-9 Sept. 2004 Page(s):396 - 403
       Digital Object Identifier 10.1109/TDPVT.2004.1335266

       AbstractPlus | Full Text: PDF(720 KB)   IEEE CNF
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☐   5. **Online surface reconstruction from unorganized 3D-points for the DLR hi
       scanner system**
       Bodenmueller, T.; Hirzinger, G.;
       3D Data Processing, Visualization and Transmission, 2004. 3DPVT 2004. Proc

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6-9 Sept. 2004 Page(s):285 - 292
Digital Object Identifier 10.1109/TDPVT.2004.1335210

AbstractPlus | Full Text: PDF(922 KB)   IEEE CNF
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6. **Polyhedral model retrieval using weighted point sets**
Tangelder, J.W.H.; Veltkamp, R.C.;
Shape Modeling International, 2003
12-15 May 2003 Page(s):119 - 129
Digital Object Identifier 10.1109/SMI.2003.1199608

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7. **Triangle mesh-based surface modeling using adaptive smoothing and im texture integration**
Sun, Y.; Page, D.L.; Paik, J.K.; Koschan, A.; Abidi, M.A.;
3D Data Processing Visualization and Transmission, 2002. Proceedings. First Symposium on
19-21 June 2002 Page(s):588 - 597
Digital Object Identifier 10.1109/TDPVT.2002.1024122

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8. **Polygonizing non-uniformly distributed 3D points by advancing mesh fro**
Atmosukarto, I.; Luping Zhou; Wee Kheng Leow; Zhiyong Huang;
Computer Graphics International 2001. Proceedings
3-6 July 2001 Page(s):175 - 182
Digital Object Identifier 10.1109/CGI.2001.934672

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9. **Memory architecture for efficient utilization of SDRAM: a case study of th computation/memory access trade-off**
Gleerup, T.; Holten-Lund, H.; Madsen, J.; Pedersen, S.;
Hardware/Software Codesign, 2000. CODES 2000. Proceedings of the Eighth Workshop on
2000 Page(s):51 - 55

AbstractPlus | Full Text: PDF(640 KB)   IEEE CNF
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10. **Registering two overlapping range images**
Roth, G.;
3-D Digital Imaging and Modeling, 1999. Proceedings. Second International C
4-8 Oct. 1999 Page(s):191 - 200
Digital Object Identifier 10.1109/IM.1999.805349

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11. **Fast surface rendering from raster data by voxel traversal using chessbo**
Sramek, M.;
Visualization, 1994., Visualization '94, Proceedings., IEEE Conference on
17-21 Oct. 1994 Page(s):188 - 195, CP21
Digital Object Identifier 10.1109/VISUAL.1994.346320

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Last Name = KAUFMANN
First Name = MARKUS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10626795	Not Issued	30	07/23/2003	Method for creating single 3D surface model from a point cloud	KAUFMANN, MARKUS
10626796	7004754	150	07/23/2003	AUTOMATIC CROWN AND GINGIVA DETECTION FROM THREE-DIMENSIONAL VIRTUAL MODEL OF TEETH	KAUFMANN, MARKUS
11133996	Not Issued	30	05/20/2005	Method and system for comprehensive evaluation of orthodontic care using unified workstation	KAUFMANN, MARKUS
11233623	Not Issued	30	09/23/2005	Method and system for finding tooth features on a virtual three-dimensional model	KAUFMANN, MARKUS
11265310	Not Issued	30	11/02/2005	Automatic crown and gingiva detection from three-dimensional virtual model of teeth	KAUFMANN, MARKUS

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
09560131	6744914	150	04/28/2000	METHOD AND SYSTEM FOR GENERATING A THREE-DIMENSIONAL OBJECT	SPORBERT, PEER
09560132	6771809	150	04/28/2000	METHOD AND SYSTEM FOR REGISTERING DATA	SPORBERT, PEER
09560133	6744932	150	04/28/2000	SYSTEM AND METHOD FOR MAPPING A SURFACE	SPORBERT, PEER
09560583	6738508	150	04/28/2000	METHOD AND SYSTEM FOR REGISTERING DATA	SPORBERT, PEER
09560584	7068836	150	04/28/2000	SYSTEM AND METHOD FOR MAPPING A SURFACE	SPORBERT, PEER
09560644	6413084	150	04/28/2000	METHOD AND SYSTEM OF SCANNING	SPORBERT, PEER
09560645	6728423	150	04/28/2000	SYSTEM AND METHOD FOR MAPPING A SURFACE	SPORBERT, PEER
09616093	6532299	150	07/13/2000	SYSTEM AND METHOD FOR MAPPING A SURFACE	SPORBERT, PEER
09834412	6632089	150	04/13/2001	ORTHODONTIC TREATMENT PLANNING WITH USER-SPECIFIED SIMULATION OF TOOTH MOVEMENT	SPORBERT, PEER
09834413	7080979	150	04/13/2001	METHOD AND WORKSTATION FOR GENERATING VIRTUAL TOOTH MODELS FROM THREE-DIMENSIONAL TOOTH DATA	SPORBERT, PEER
09834593	7068825	150	04/13/2001	SCANNING SYSTEM AND CALIBRATION METHOD FOR CAPTURING PRECISE THREE-DIMENSIONAL INFORMATION OF OBJECTS	SPORBERT, PEER
09835007	7027642	150	04/13/2001	METHODS FOR	SPORBERT, PEER

				tooth movement	
10791440	Not Issued	41	03/02/2004	Virtual bracket placement and evaluation	SPORBERT, PEER
10951119	7013191	150	09/27/2004	INTERACTIVE ORTHODONTIC CARE SYSTEM BASED ON INTRA-ORAL SCANNING OF TEETH	SPORBERT, PEER
10953240	Not Issued	30	09/29/2004	Methods for registration of three-dimensional frames to create three-dimensional virtual models of objects	SPORBERT, PEER
10993323	7058213	150	11/18/2004	SCANNING SYSTEM AND CALIBRATION METHOD FOR CAPTURING PRECISE THREE-DIMENSIONAL INFORMATION OF OBJECTS	SPORBERT, PEER
11010618	Not Issued	93	12/13/2004	THREE-DIMENSIONAL OCCLUSAL AND INTERPROXIMAL CONTACT DETECTION AND DISPLAY USING VIRTUAL TOOTH MODELS	SPORBERT, PEER
11010776	Not Issued	30	12/13/2004	Three-dimensional occlusal and interproximal contact detection and display using virtual tooth models	SPORBERT, PEER
11010994	Not Issued	41	12/13/2004	Three-dimensional occlusal and interproximal contact detection and display using virtual tooth models	SPORBERT, PEER
11074423	Not Issued	30	03/08/2005	Three-dimensional occlusal and interproximal contact detection and display using virtual tooth models	SPORBERT, PEER
11133996	Not Issued	30	05/20/2005	Method and system for comprehensive evaluation of orthodontic care using unified workstation	SPORBERT, PEER
11233623	Not Issued	30	09/23/2005	Method and system for finding tooth features on a virtual three-dimensional model	SPORBERT, PEER
11233946	Not Issued	30	09/23/2005	Method and apparatus for digitally evaluating insertion quality of customized orthodontic arch wire	SPORBERT, PEER
11234591	Not	30	09/23/2005	Method and system for measuring	SPORBERT, PEER

	Issued			tooth displacements on a virtual three-dimensional model	
11265310	Not Issued	30	11/02/2005	Automatic crown and gingiva detection from three-dimensional virtual model of teeth	SPORBERT, PEER
11285629	Not Issued	30	11/22/2005	Interactive orthodontic care system based on intra-oral scanning of teeth	SPORBERT, PEER
11303722	Not Issued	25	12/16/2005	System and method for mapping a surface	SPORBERT, PEER
11387387	Not Issued	25	03/23/2006	Scanning system and calibration method for capturing precise three-dimensional information of objects	SPORBERT, PEER
11438109	Not Issued	25	05/19/2006	Method and workstation for generating virtual tooth models from three-dimensional tooth data	SPORBERT, PEER
11525453	Not Issued	19	09/23/2006	Method and system for enhanced orthodontic trearment plenning	SPORBERT, PEER

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
10428461	Not Issued	41	05/02/2003	Method and system for integrated orthodontic treatment planning using unified workstation	GETTO, PHILLIP
10429074	Not Issued	30	05/02/2003	Interactive unified workstation for benchmarking and care planning	GETTO, PHILLIP
10429123	Not Issued	61	05/02/2003	Unified workstation for virtual craniofacial diagnosis, treatment planning and therapeutics	GETTO, PHILLIP
10620231	Not Issued	93	07/14/2003	METHOD AND SYSTEM FOR COMPREHENSIVE EVALUATION OF ORTHODONTIC TREATMENT USING UNIFIED WORKSTATION	GETTO, PHILLIP
10626795	Not Issued	30	07/23/2003	Method for creating single 3D surface model from a point cloud	GETTO, PHILLIP
10626796	7004754	150	07/23/2003	AUTOMATIC CROWN AND GINGIVA DETECTION FROM THREE-DIMENSIONAL VIRTUAL MODEL OF TEETH	GETTO, PHILLIP
10791440	Not Issued	41	03/02/2004	Virtual bracket placement and evaluation	GETTO, PHILLIP
11139454	Not Issued	30	05/27/2005	High speed 3D scanner and uses thereof	GETTO, PHILLIP
11265310	Not Issued	30	11/02/2005	Automatic crown and gingiva detection from three-dimensional virtual model of teeth	GETTO, PHILLIP

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